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Fawaz

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(54) **BASKETS FOR USE IN A DISHWASHER APPLIANCE**

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A47L 15/42	(2006.01)
A47L 15/23	(2006.01)
A47L 15/16	(2006.01)

(52) **U.S. Cl.**

CPC ***A47L 15/502*** (2013.01); ***A47L 15/16*** (2013.01); ***A47L 15/23*** (2013.01); ***A47L 15/4225*** (2013.01); ***A47L 15/507*** (2013.01); ***A47L 15/508*** (2013.01)

(58) **Field of Classification Search**

CPC A47L 15/50

See application file for complete search history.

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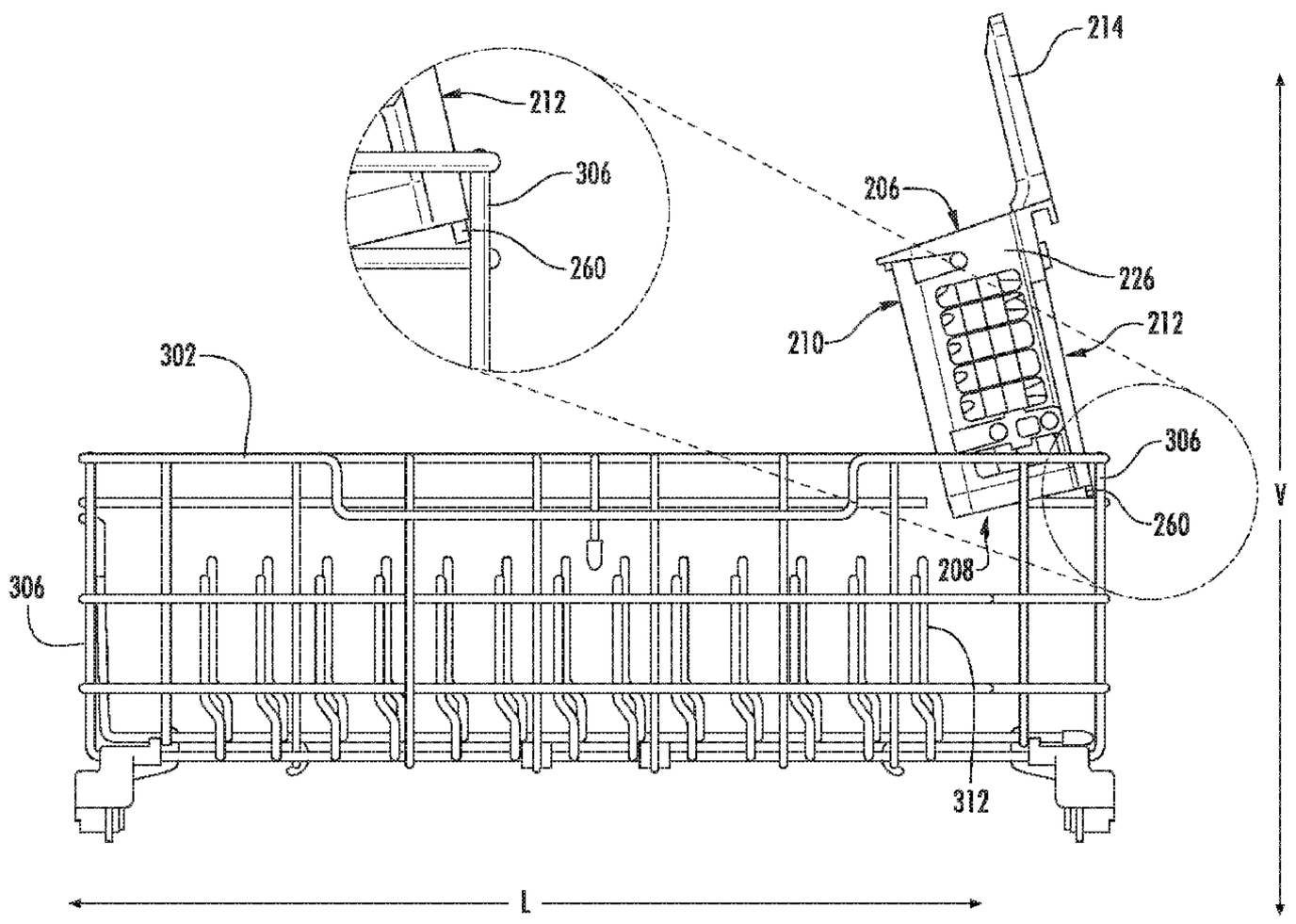
(57) **ABSTRACT**

A dishwasher appliance includes a tub defining a wash chamber. The dishwasher appliance also includes a rack assembly disposed within the wash chamber. The rack assembly may define a wash compartment. In addition, the dishwasher appliance may include a basket disposed within the wash compartment. The basket may comprise a magnet, and the basket may be removably mounted to the rack assembly via the magnet.

3 Claims, 12 Drawing Sheets



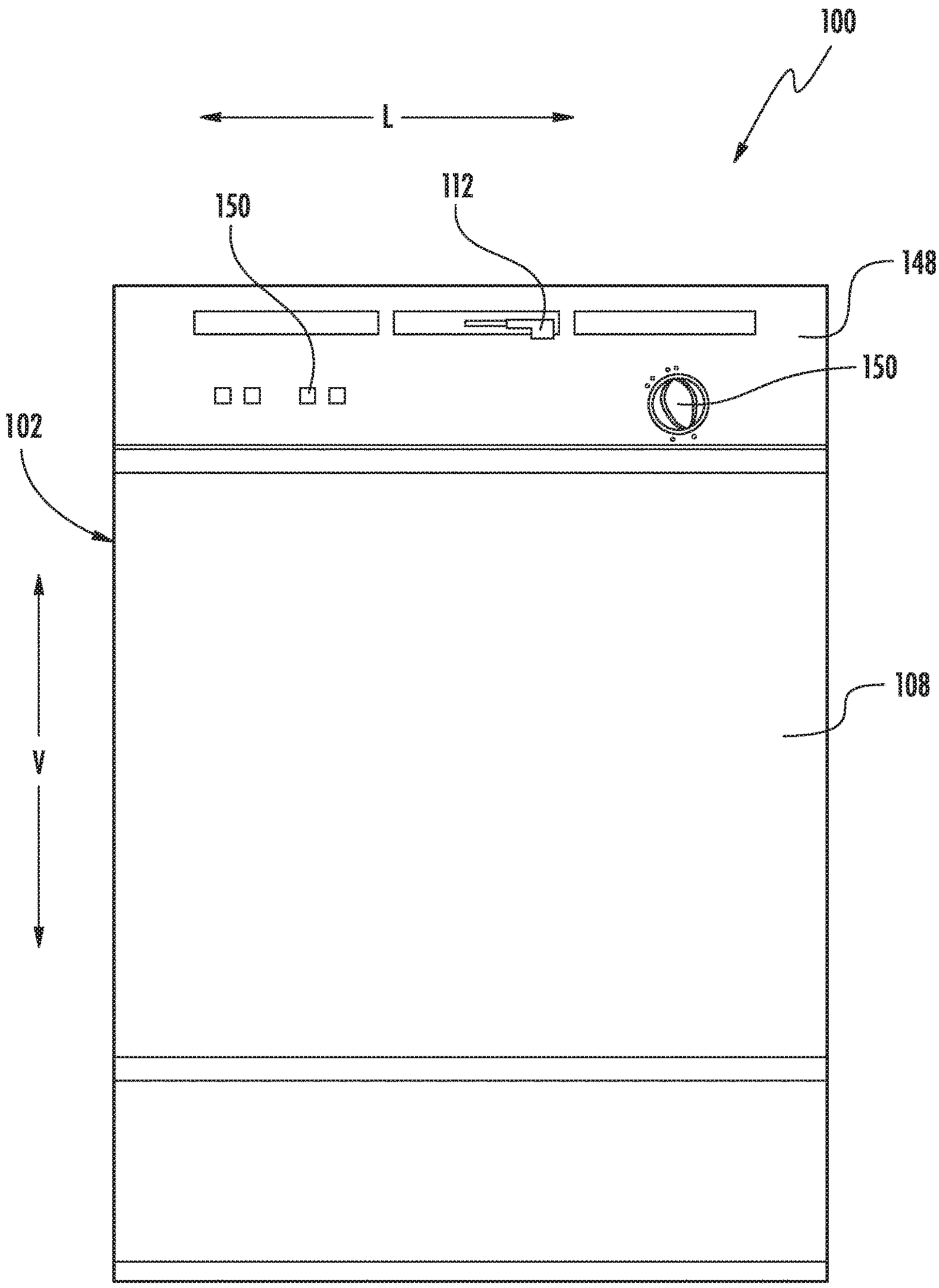


FIG. 1

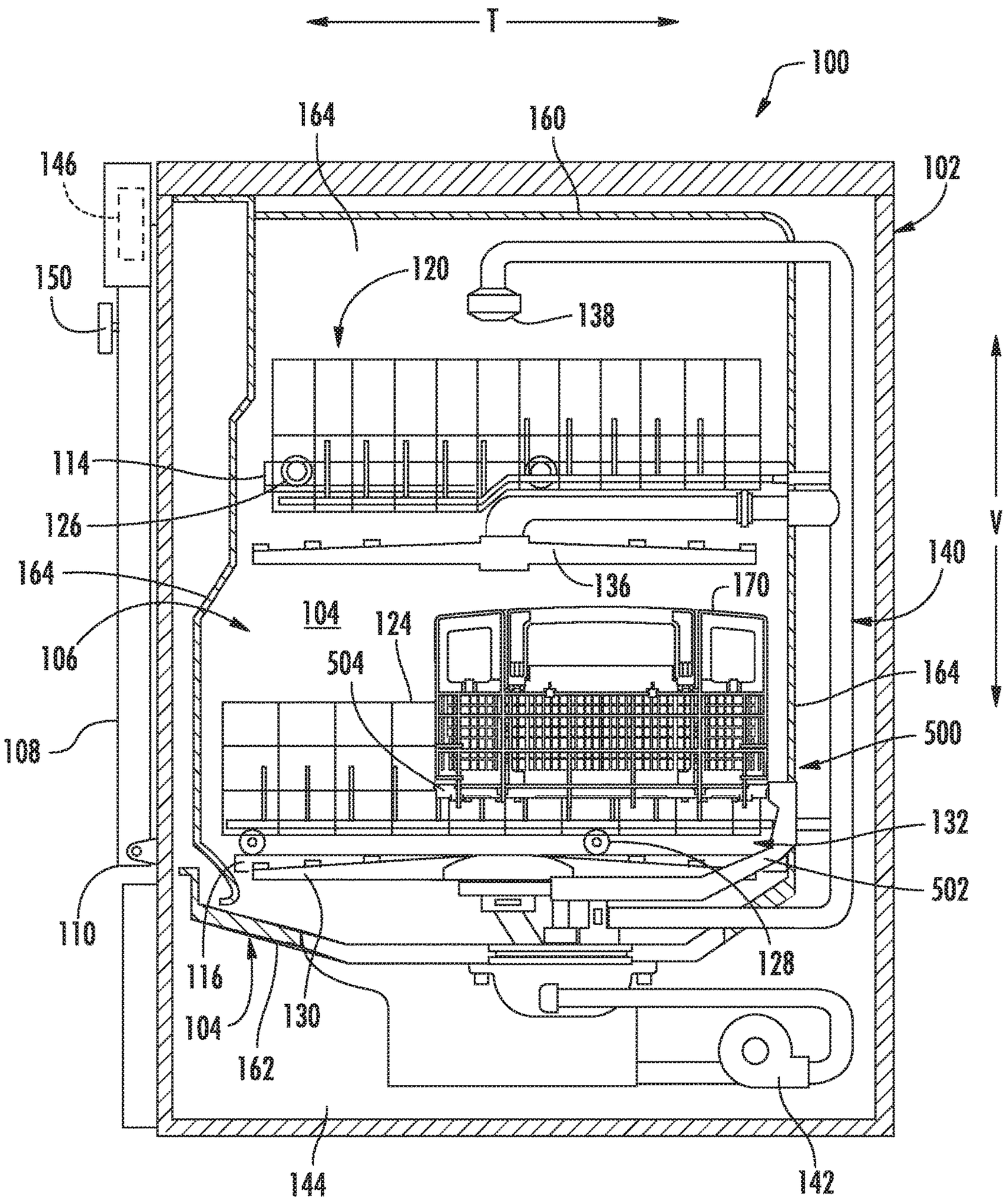

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FIG. 2

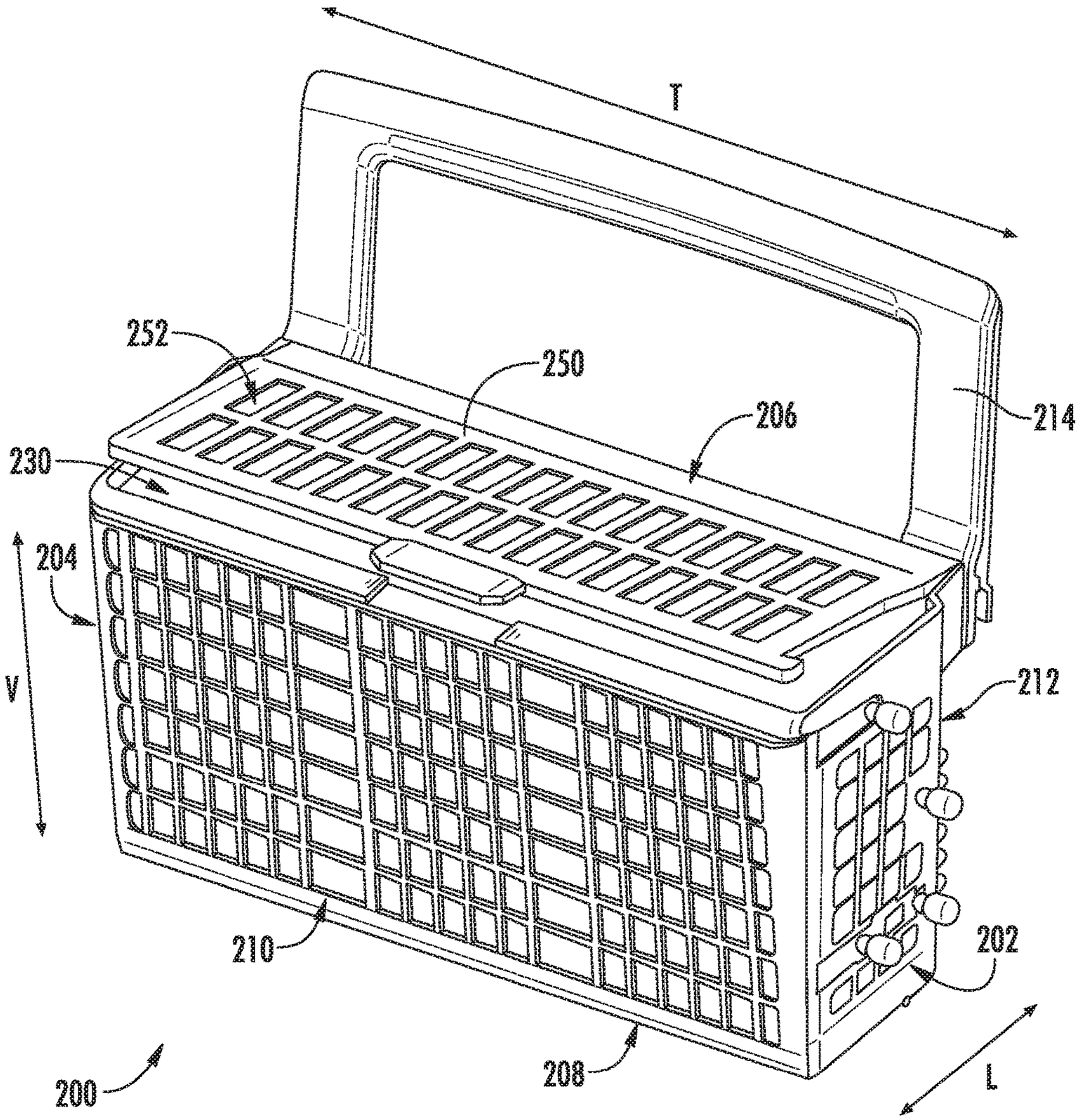

FIG. 3

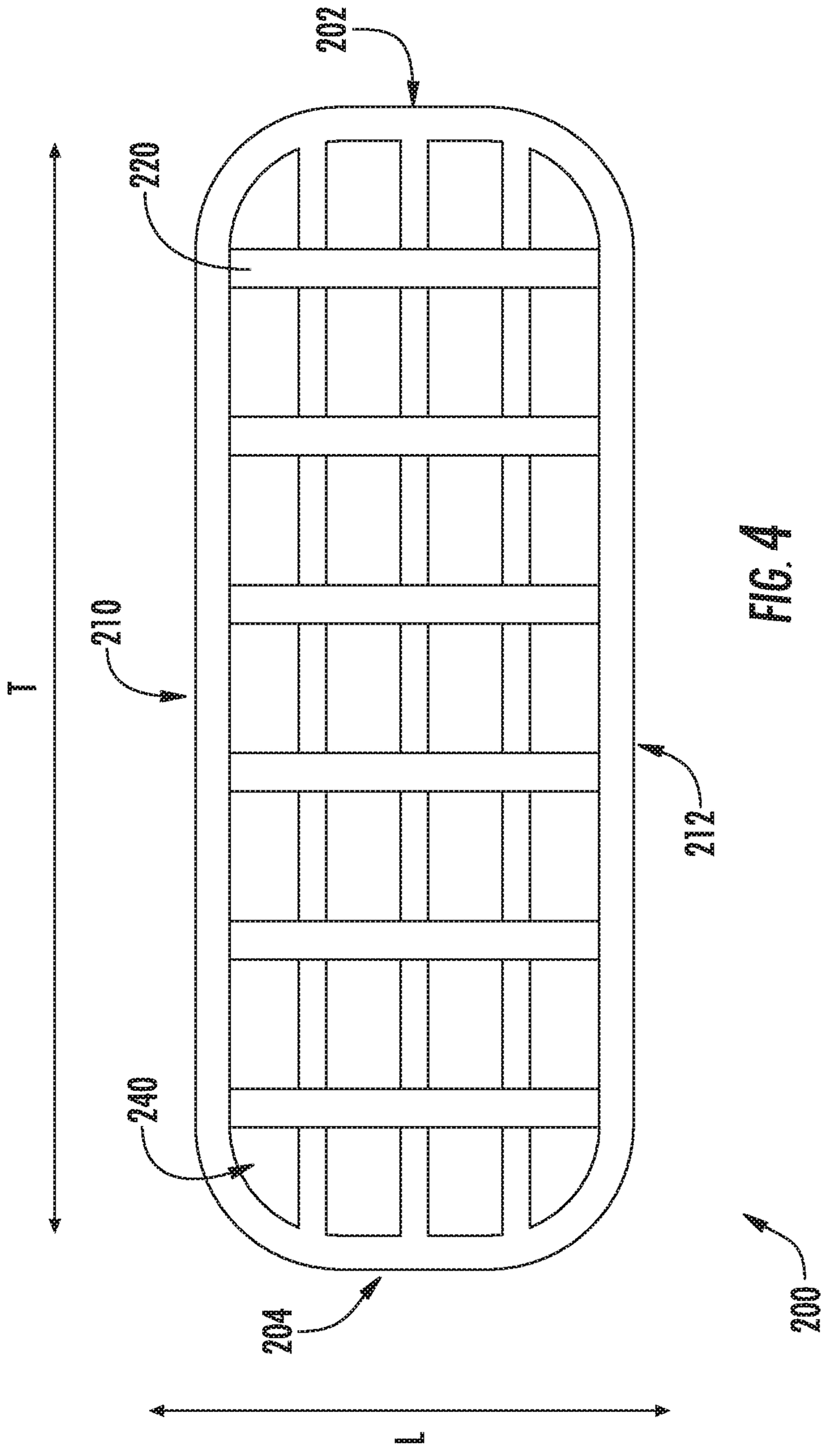

FIG. 4

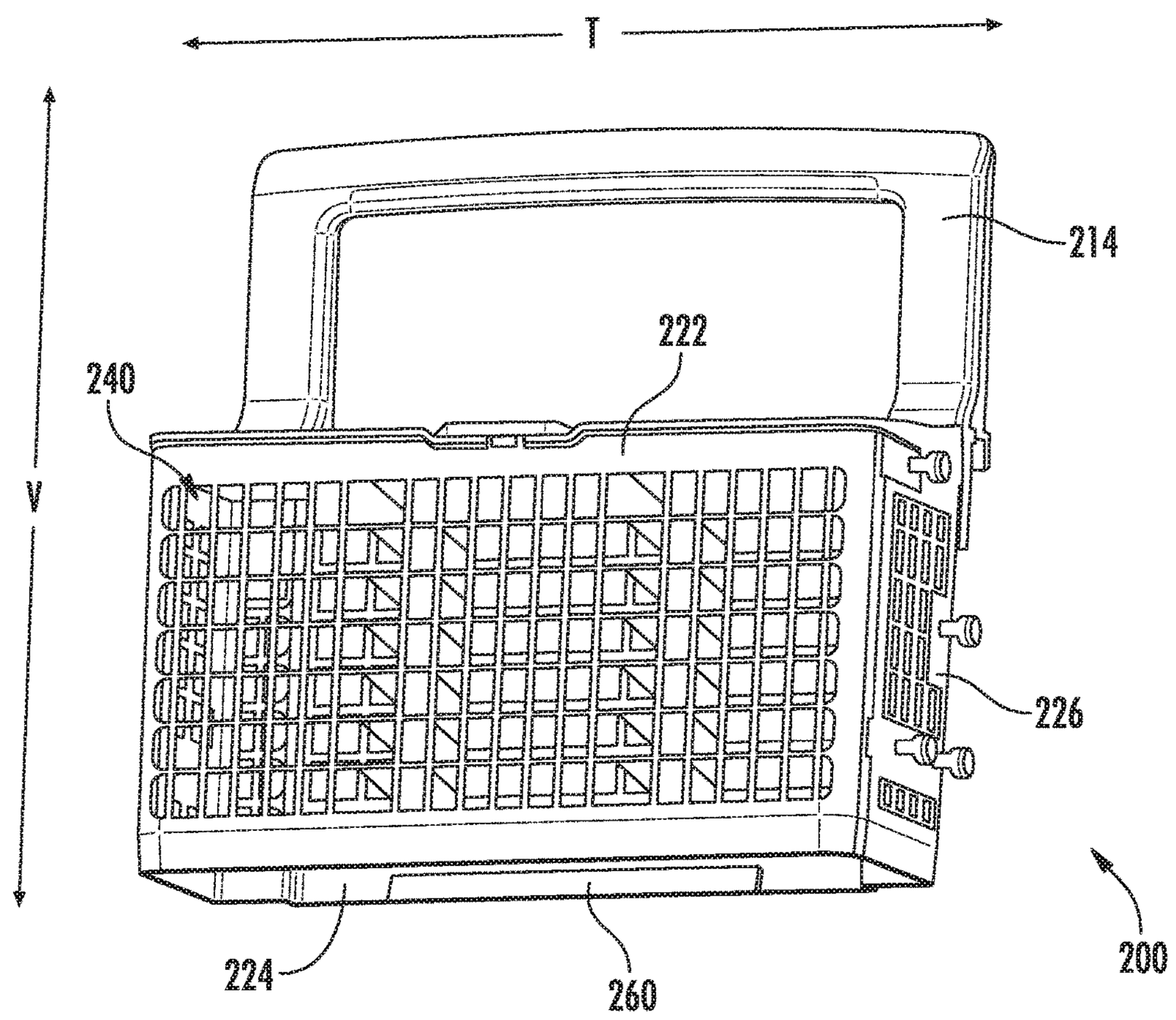

FIG. 5

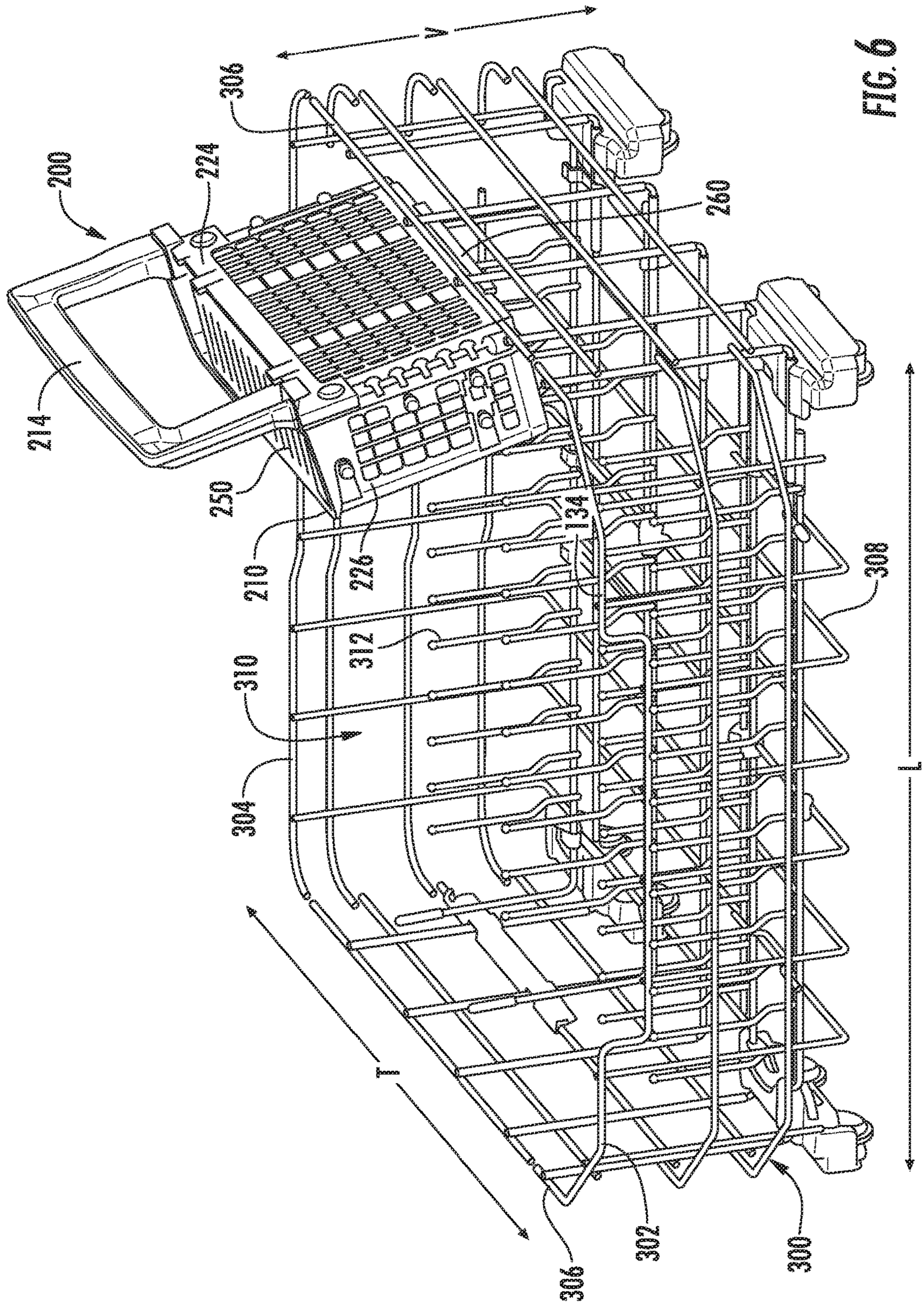

FIG. 6

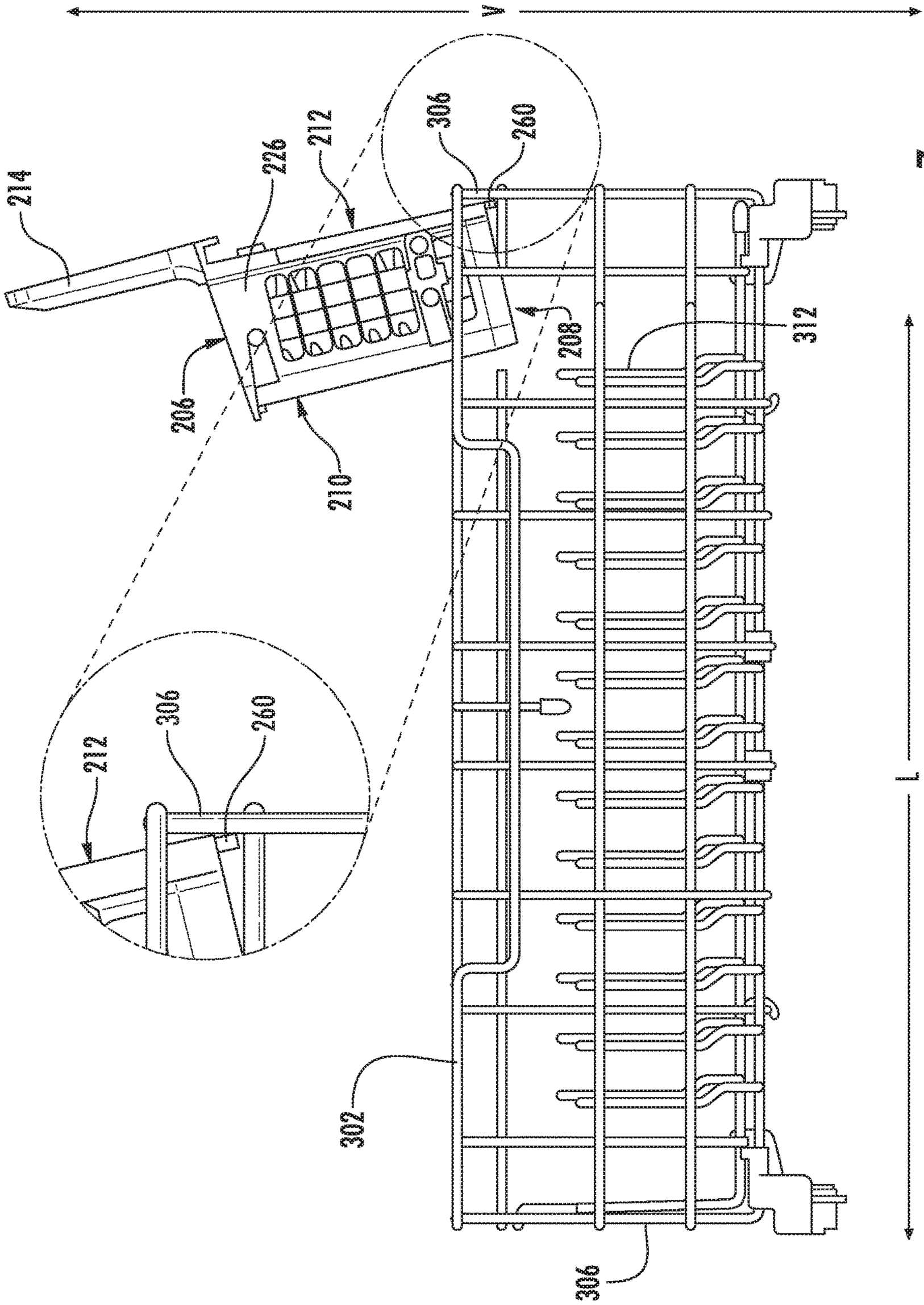

FIG. 7

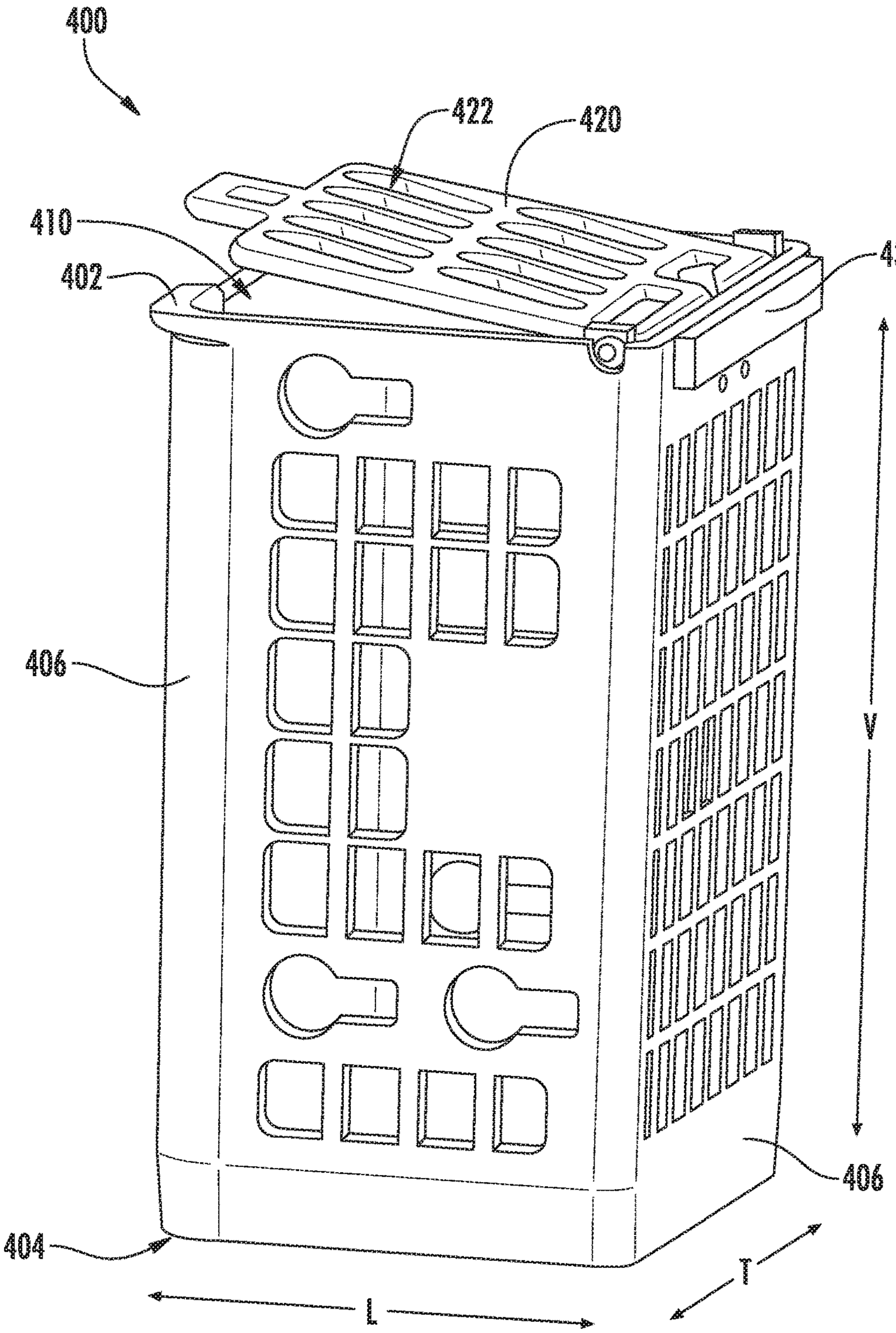

FIG. 8

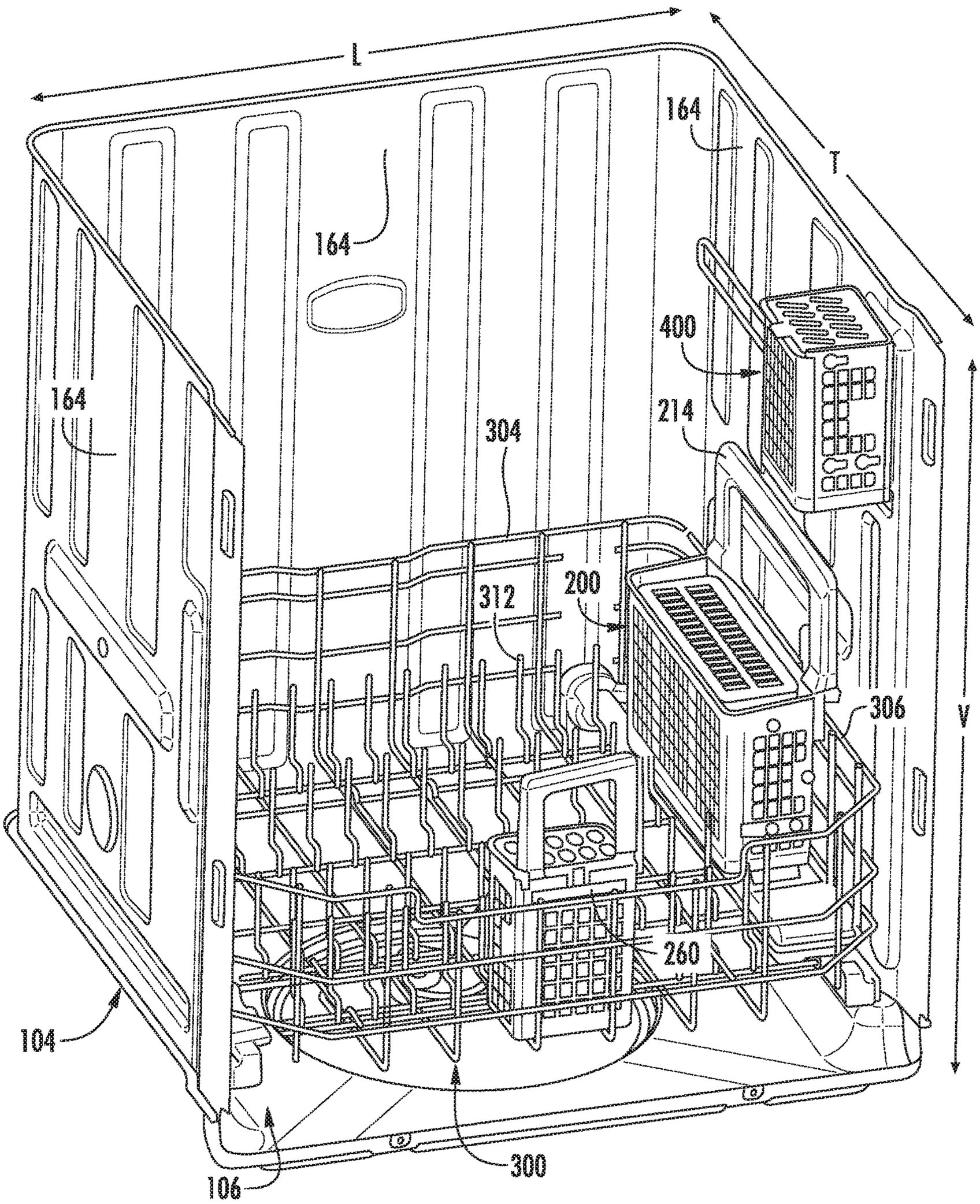

FIG. 9

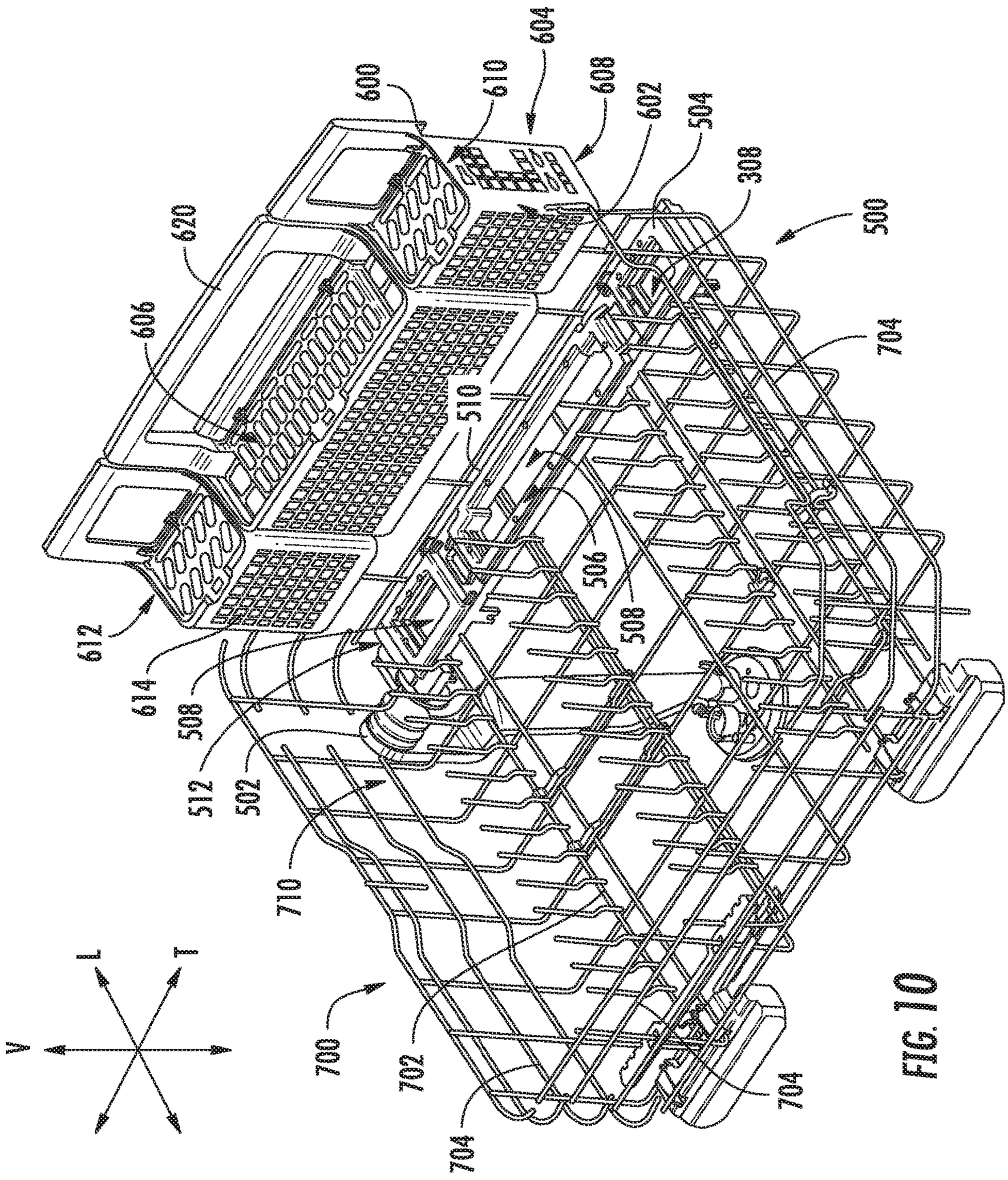
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FIG. 10

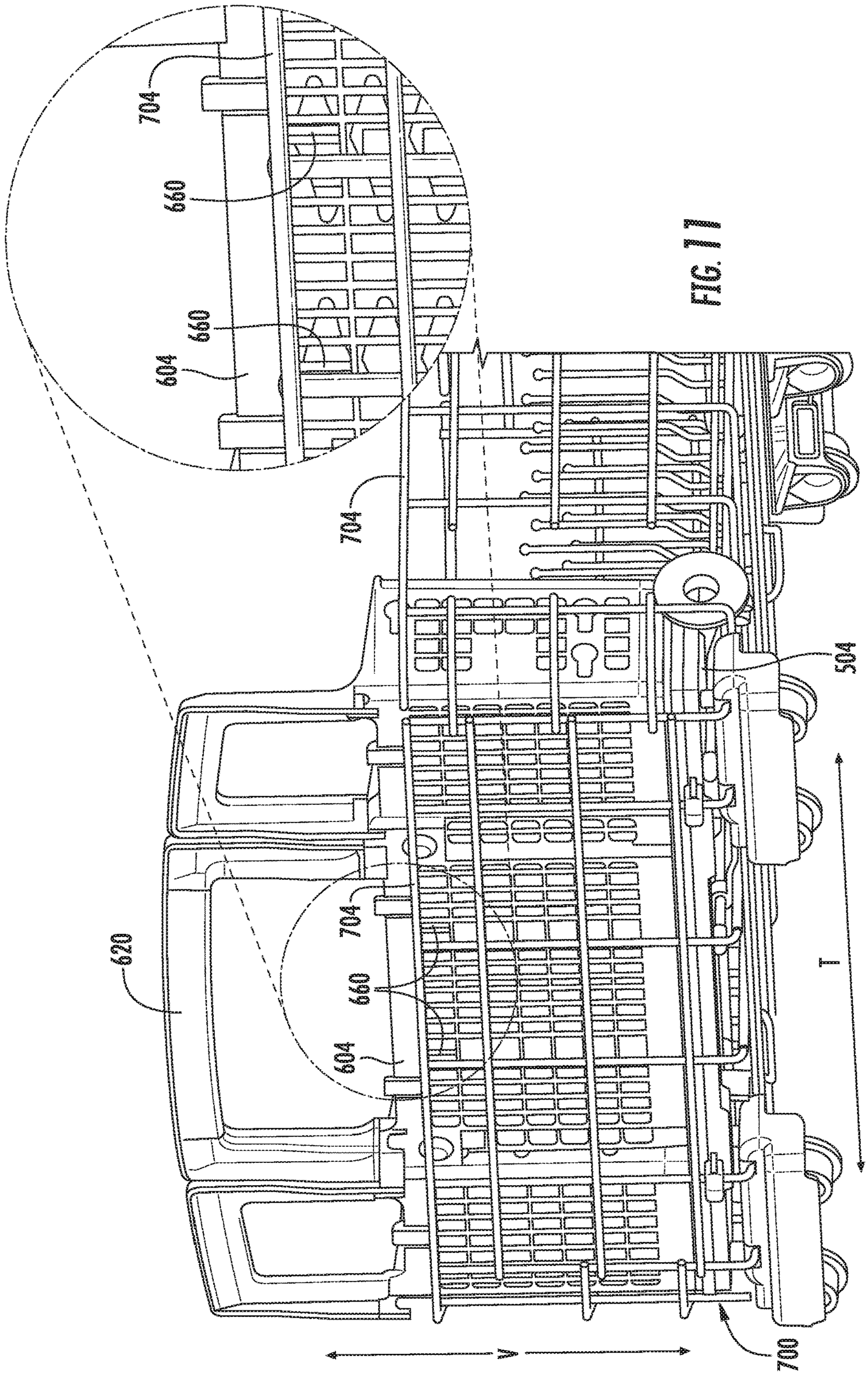

FIG. 11

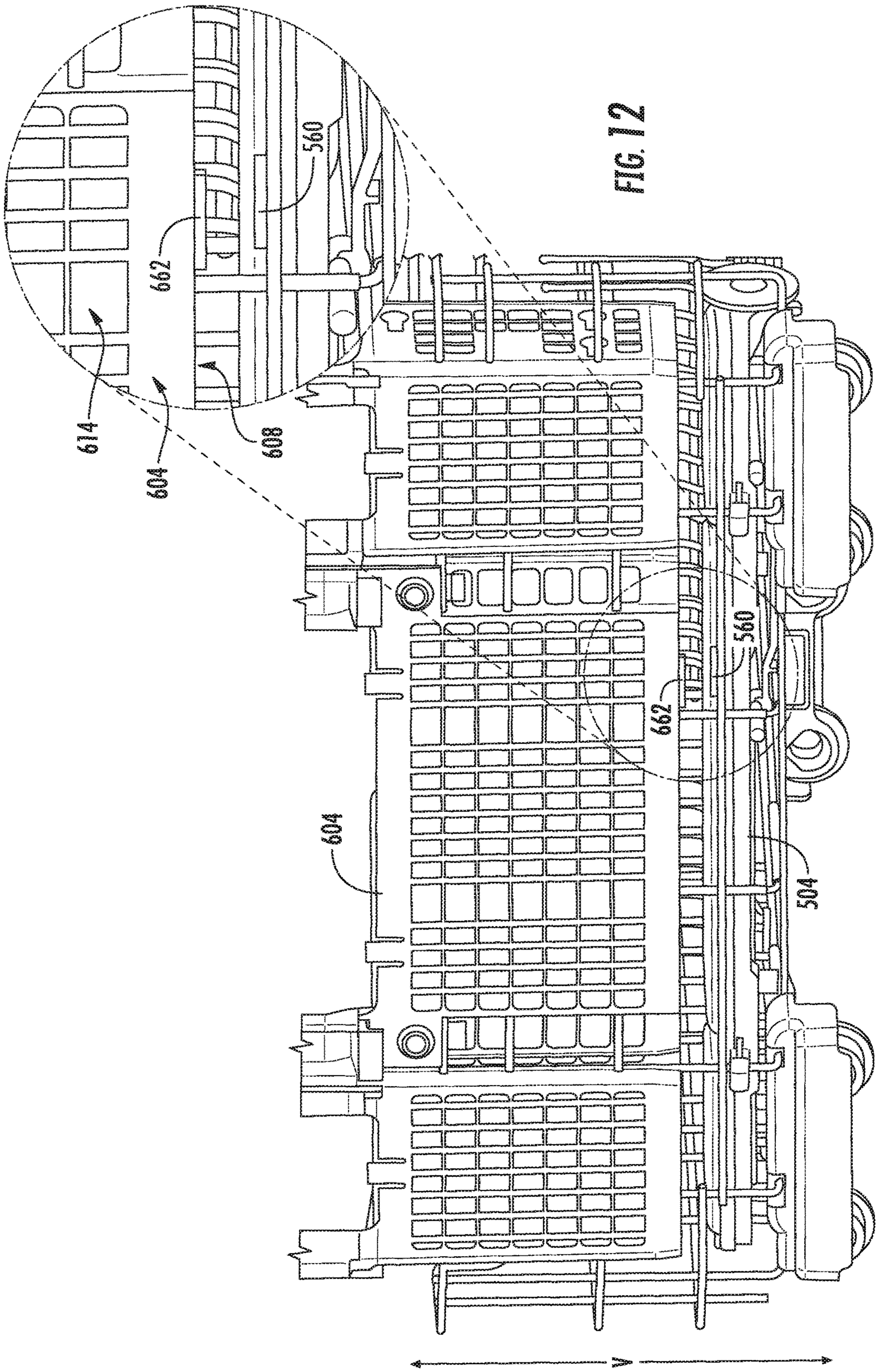

FIG. 12

BASKETS FOR USE IN A DISHWASHER APPLIANCE

FIELD OF THE INVENTION

The present subject matter relates generally to dishwasher appliances and more particularly to baskets for use within dishwasher appliances.

BACKGROUND OF THE INVENTION

Dishwasher appliances generally include a tub that defines a wash chamber. Certain dishwasher appliances also include a rack assembly mounted within the wash chamber. A user can load articles, such as plates, bowls, glasses, and/or cups, into the rack assembly, and the rack assembly can support such articles within the wash chamber during operation of the dishwasher appliance.

Certain rack assemblies may support a basket capable of storing kitchen utensils (e.g., silverware) during operation of the dishwasher appliance. While the basket is generally secured within the rack assembly, the basket may move due to various forces acting on the basket. This movement can be problematic, because the basket, or its contents, may damage other articles (e.g., dishware) positioned within the rack assembly.

Additionally, placement of the basket within the wash chamber is generally confined to the rack assembly. As a result, rack assemblies must accommodate space for the basket. This is undesirable, because it limits the amount of space available for dishware items (e.g., plates, glasses, and bowls).

Accordingly, improved baskets for use in dishwasher appliances are desired. In particular, a basket that is less susceptible to movement within the rack assembly would be welcomed. Additionally, a basket that can be positioned at other locations within the wash chamber, not including the rack assembly, would be desired.

BRIEF DESCRIPTION OF THE INVENTION

Additional aspects and advantages of the invention will be set forth in part in the following description, or may be apparent from the description, or may be learned through practice of the invention.

In one embodiment, a dishwasher appliance includes a tub defining a wash chamber. The dishwasher appliance may also include a rack assembly disposed within the wash chamber. The rack assembly may define a wash compartment. In addition, the dishwasher appliance may include a basket disposed within the wash compartment. The basket may comprise a magnet, and the basket may be removably mounted to the rack assembly via the magnet.

In another embodiment, a dishwasher appliance includes a tub comprising a top wall, a bottom wall, and a plurality of side walls extending between the top and bottom walls. In addition, the tub may define a wash chamber. The dishwasher appliance may also include a basket disposed within the wash chamber. The basket may comprise a magnet, and the basket may be removably mounted to one of the plurality of sidewalls via the magnet.

In yet another embodiment, a dishwasher appliance includes a tub defining a wash chamber. The dishwasher appliance may also include a rack assembly disposed within the wash chamber. The rack assembly may define a wash compartment. In addition, the dishwasher appliance may include a basket comprising a magnet. The basket may be

disposed within the wash compartment. The dishwasher appliance may also include a pump configured to deliver a wash fluid into the wash chamber. In addition, the dishwasher appliance may include a static jet assembly disposed within the wash chamber. The static jet assembly may comprise a static body positioned within the wash compartment. The static body may define an interior passage and a jet aperture in fluid communication with the pump. The jet aperture may be in fluid communication between the interior passage and the wash chamber. The basket may be removably mounted to the static body via the magnet.

These and other features, aspects and advantages of the present invention will become better understood with reference to the following description and appended claims. The accompanying drawings, which are incorporated in and constitute a part of this specification, illustrate embodiments of the invention and, together with the description, serve to explain the principles of the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

A full and enabling disclosure of the present invention, including the best mode thereof, directed to one of ordinary skill in the art, is set forth in the specification, which makes reference to the appended figures.

FIG. **1** provides a front view of a dishwasher appliance in accordance with embodiments of the present disclosure;

FIG. **2** provides a cross-sectional side view of a dishwasher appliance in accordance with embodiments of the present disclosure;

FIG. **3** provides a perspective view of a basket in accordance with embodiments of the present disclosure;

FIG. **4** provides a bottom view of a basket in accordance with embodiments of the present disclosure;

FIG. **5** provides a bottom perspective view of a basket in accordance with embodiments of the present disclosure;

FIG. **6** provides a perspective view of a basket being positioned within a wash compartment of a rack assembly in accordance with embodiments of the present disclosure;

FIG. **7** provides a front view of the basket depicted in FIG. **6**;

FIG. **8** provides a perspective view of another basket in accordance with embodiments of the present disclosure;

FIG. **9** provides a perspective view of a basket mounted to a tub of a dishwasher appliance in accordance with embodiments of the present disclosure;

FIG. **10** provides an exploded perspective view of several components of a dishwasher appliance, including a static jet assembly, a basket, and a rack assembly;

FIG. **11** provides a side view of a basket mounted to a static jet assembly in accordance with embodiments of the present disclosure; and

FIG. **12** provides a side view of another basket mounted to a static jet assembly in accordance with embodiments of the present disclosure.

DETAILED DESCRIPTION

Reference now will be made in detail to embodiments of the invention, one or more examples of which are illustrated in the drawings. Each example is provided by way of explanation of the invention, not limitation of the invention. In fact, it will be apparent to those skilled in the art that various modifications and variations can be made in the present invention without departing from the scope or spirit of the invention. For instance, features illustrated or described as part of one embodiment can be used with

another embodiment to yield a still further embodiment. Thus, it is intended that the present invention covers such modifications and variations as come within the scope of the appended claims and their equivalents.

Referring now to the figures, FIGS. **1** and **2** illustrate one embodiment of a domestic dishwasher appliance **100** that may be configured in accordance with aspects of the present disclosure. As shown in FIGS. **1** and **2**, the dishwasher appliance **100** may include a cabinet **102** having a tub **104** therein defining a wash chamber **106**. The tub **104** may generally include a front opening (not shown) and a door **108** hinged at its bottom **110** for movement between a normally closed vertical position (shown in FIGS. **1** and **2**), wherein the wash chamber **106** is sealed shut for washing operation, and a horizontal open position for loading and unloading of articles from the dishwasher. As shown in FIG. **1**, a latch **112** may be used to lock and unlock the door **108** for access to the wash chamber **106**.

The tub **104** may define a discrete vertical direction V, lateral direction L, and transverse direction T. Vertical direction V, lateral direction L, and transverse direction T are orthogonally oriented such that vertical direction V, lateral direction L, and transverse direction T form an orthogonal directional system.

As is understood, the tub **104** may generally have a rectangular cross-section defined by various wall panels or walls. For example, as shown in FIG. **2**, the tub **104** may include a top wall **160** and a bottom wall **162** spaced apart from one another along a vertical direction V of the dishwasher appliance **100**. Additionally, the tub **104** may include a plurality of sidewalls **164** (e.g., three sidewalls) extending between the top and bottom walls **160**, **162**. It should be appreciated that the tub **104** may generally be formed from any suitable material. However, in several embodiments, the tub **104** may be formed from a ferromagnetic material, such as stainless steel, or a polymeric material.

As shown in FIG. **2**, upper and lower guide rails **114**, **116** may be mounted on opposing sidewalls **164** of the tub **104** and may be configured to accommodate roller-equipped rack assemblies **120** and **122**. Each of the rack assemblies **120**, **122** may be fabricated into lattice structures including a plurality of elongated members **124** (for clarity of illustration, not all elongated members making up assemblies **120** and **122** are shown in FIG. **2**). Additionally, each rack assembly **120**, **122** may be adapted for movement between an extended loading position (not shown) in which the rack **120**, **122** is substantially positioned outside the wash chamber **106**, and a retracted position (shown in FIG. **2**) in which the rack **120**, **122** is located inside the wash chamber **106**. This may be facilitated by rollers **126** and **128**, for example, mounted onto racks **120** and **122**, respectively.

In some embodiments, a basket **170** is removably mounted to lower rack assembly **122**. However, in alternative exemplary embodiments, the basket **170** may also be selectively attached to other portions of dishwasher appliance **100**, e.g., the upper rack assembly **120** or door **108**. The basket **170** defines one or more storage chambers and is generally configured to receive of silverware, flatware, utensils, and the like, that are too small to be accommodated by the upper and lower rack assemblies **120**, **122**. The basket **170** may be constructed of any suitable material, e.g., metal or plastic, and define a plurality of apertures **178** for permitting a flow wash fluid or air therethrough.

The dishwasher appliance **100** includes one or more spray assemblies housed within the wash chamber **106**. For instance, the dishwasher appliance **100** may include a lower spray-arm assembly **130** that is rotatably mounted within a lower region **132** of the wash chamber **106** directly above the bottom wall **162** of the tub **104** so as to rotate in relatively close proximity to the rack assembly **122**. As shown in FIG. **2**, a mid-level spray-arm assembly **136** may be located in an upper region of the wash chamber **106**, such as by being located in close proximity to the upper rack **120**. Moreover, an upper spray assembly **138** may be located above the upper rack **120**.

As is generally understood, the lower and mid-level spray-arm assemblies **130**, **136** and the upper spray assembly **138** may generally form part of a fluid circulation assembly **140** for circulating fluid (e.g., water and dishwasher fluid) within the tub **104**. As shown in FIG. **2**, the fluid circulation assembly **140** may also include a pump **142** located in a machinery compartment **144** located below the bottom wall **162** of the tub **104**. One or all of the spray assemblies **130**, **136**, **138** may be in fluid communication with the pump **142**, e.g., to receive a pressurized wash fluid therefrom. Additionally, each spray-arm assembly **130**, **136** may include an arrangement of discharge ports or orifices for directing washing liquid onto dishes or other articles located in rack assemblies **120** and **122**, which may provide a rotational force by virtue of washing fluid flowing through the discharge ports. The resultant rotation of the lower spray-arm assembly **130** provides coverage of dishes and other dishwasher contents with a spray, e.g., a spray of washing fluid.

The dishwasher appliance **100** may be further equipped with a controller **146** configured to regulate operation of the dishwasher **100**. The controller **146** may generally include one or more memory devices and one or more microprocessors, such as one or more general or special purpose microprocessors operable to execute programming instructions or micro-control code associated with a cleaning cycle. The memory may represent random access memory such as DRAM, or read only memory such as ROM or FLASH. In one embodiment, the processor executes programming instructions stored in memory. The memory may be a separate component from the processor or may be included onboard within the processor.

The controller **146** may be positioned in a variety of locations throughout dishwasher appliance **100**. In the illustrated embodiment, the controller **146** is located within a control panel area **148** of the door **108**, as shown in FIG. **1**. In such an embodiment, input/output ("I/O") signals may be routed between the control system and various operational components of dishwasher appliance **100** along wiring harnesses that may be routed through the bottom **110** of the door **108**. Typically, the controller **146** includes a user interface panel/controls **150** through which a user may select various operational features and modes and monitor progress of the dishwasher **100**. In one embodiment, the user interface **150** may represent a general purpose I/O ("GPIO") device or functional block. Additionally, the user interface **150** may include input components, such as one or more of a variety of electrical, mechanical or electro-mechanical input devices including rotary dials, push buttons, and touch pads. The user interface **150** may also include a display component, such as a digital or analog display device designed to provide operational feedback to a user. The user interface **150** may be in communication with the controller **146** via one or more signal lines or shared communication busses.

It should be appreciated that, although the dishwasher appliance **100** will generally be described herein as including three spray assemblies **130**, **136**, **138**, the dishwasher appliance may, in alternative embodiments, include any other number of spray assemblies, including two spray

assemblies, four spray assemblies or five or more spray assemblies. For instance, in addition to the lower and mid-level spray-arm assemblies **130**, **136** and the upper spray assembly **138** (or as an alternative thereto), the dishwasher appliance **100** may include one or more other spray assemblies and/or wash zones for distributing fluid within the wash chamber **106**.

Referring now to FIGS. **3-5**, a basket **200** is provided in accordance with embodiments of the present disclosure. It should be appreciated that the basket **200** may be used in place of the basket **170** described above with reference to FIG. **2**. As shown, the basket **200** may extend between a first side **202** and a second side **204** e.g., along the transverse direction T. The basket **200** may further extend between a top **206** and a bottom **208** along the vertical direction V. The basket **200** may also extend between a front **210** and a back **212** e.g., along the lateral direction L. Optionally, the basket **200** may include a handle **214** extending e.g., in the vertical direction V, from the top **206** for convenient removal from and/or insertion into a rack assembly, such as the upper and lower rack assemblies **120**, **122** described above with reference to FIG. **2**.

The basket **200** includes a bottom wall **220**. A front wall **222** extends from the bottom wall **220** along the vertical direction V. Similarly, a rear wall **224** extends from the bottom wall **220** along the vertical direction V. As shown, the rear wall **224** may be spaced apart from the front wall **220** along the lateral direction L. The basket **200** may also include a pair of opposing side walls **226** spaced apart from one another along the transverse direction T. Further, each sidewall of the pair of sidewalls **226** may extend between the front and back walls **222**, **224** along the lateral direction L. The bottom wall **220**, front wall **222**, rear wall **224**, and opposing sidewalls **226** collectively define a storage chamber **230** configured for receipt of articles (e.g., forks, knives, spoons, and/or utensils).

As shown, the bottom wall **220**, front wall **222**, rear wall **224**, and opposing side walls **226** each define a plurality of apertures **240**. The plurality of apertures **240** may permit wash fluid to flow into and out of the cavity **230**, e.g., during operation of the dishwasher appliance **100**. Additionally, the plurality of apertures **240** may permit a flow of air through the storage chamber **230** e.g., to assist in drying articles therein.

The basket **200** may also include a cover **250** movable between an open position (FIG. **3**) and a closed position (FIG. **5**). In the open position, the cover **250** may permit access to the storage chamber **230**. Conversely, access to the storage chamber **230** may be prohibited when the cover **250** is in the closed position. However, in some embodiments, the cover **250** may define a plurality of apertures **252** that permit an article to be inserted into the storage chamber **230** even when the cover **250** is in the closed position.

The basket **200** may also include one or more magnet(s) **260**. The magnet **260** may be positioned at any suitable location on the basket **200**. As an example, the magnet **260** may be positioned on the rear wall **224** of the basket **200**. As will be discussed below in more detail, the magnet **260** may exert a magnetic bias on a rack assembly to assist in positioning and mounting of the basket **200** within the rack assembly.

Referring now to FIGS. **6** and **7**, an embodiment of a rack assembly **300** is provided in accordance with embodiments of the present disclosure. It should be appreciated that the rack assembly **300** may be used in place of the rack assemblies **120**, **122** described above with reference to FIG. **2**. As shown, the rack assembly **300** extends between a front **302** and a rear **304** along the transverse direction T. The rack assembly **300** may also extend between a pair of opposing sides **306** along the lateral direction L. The rack assembly **300** may also include a bottom **308** that extends between the front **302** and rear **304** along the transverse direction T, and between the pair of opposing sides **306** along the lateral direction L. Further, the front **302**, rear **304**, opposing sides **306**, and bottom **308** may collectively define a wash compartment **310** into which the basket **200** may be received. Further, the rack assembly **300** may include a plurality of elongated members **312** positioned within the wash compartment **310**. In particular, the plurality of elongated members **312** may extend from the bottom **308** along the vertical direction V. It should be appreciated that the rack assembly **300** may be comprised of a ferromagnetic material. For example, in some embodiments, the rack assembly **300** may be comprised of stainless steel.

As the basket **200** is lowered into the wash compartment **310** of the rack assembly **300**, the magnet **260** may exert a magnetic bias on the rack assembly **300**. In this respect, the basket **200** may be removably mounted to the rack assembly **300** via the magnet **260**. As an example, the magnet **260** may exert a magnetic bias on one of the sides **306** of the rack assembly **300**. Accordingly, the basket **200** may move towards the side **306** until the magnet **260** contacts the side **306**. Once the magnet **260** contacts the side **306**, it should be appreciated that the bottom **208** of the basket **200** may be spaced apart from the bottom **308** of the rack assembly **300** along the vertical direction V. However, since the magnet **260** continues to exert the magnetic bias on the side **306** of rack assembly **300**, the basket **200** may remain mounted to the rack assembly **300** as it moves along the vertical direction V towards the bottom **308** of the rack assembly **300**. Further, the magnet **260** may restrain movement of the basket **200** throughout operation of the dishwasher appliance **100** (FIG. **1**). This advantageously prevents the basket **200** from tipping over and allowing silverware or other items within the storage chamber **230** to become dispersed within the wash chamber **106** (FIG. **2**).

It should be appreciated that the magnet **260** may be used to mount the basket **200** at any suitable location on the rack assembly **300**. For example, the basket **200** may be mounted to the front **302** of the rack assembly **300**. Alternatively, the basket **200** may be mounted to the rear **304** of the rack assembly **300**.

Referring now to FIGS. **8** and **9**, another embodiment of a basket **400** is provided in accordance with embodiments of the present disclosure. The basket **400** includes a top **402** and a bottom **404** that is spaced apart from the top **402** along the vertical direction V. The basket **400** further includes a plurality of sidewalls **406** that extend between the top **402** and bottom **404** along the vertical direction V. The top **402**, bottom **404**, and plurality of sidewalls **406** collectively define a storage chamber **410** configured to store articles, such as silverware or any other suitable kitchen utensil.

The basket **400** may also include a cover **420** movable between an open position (FIG. **8**) and a closed position (FIG. **9**). In the open position, the cover **420** may permit access to the storage chamber **410**. Conversely, access to the storage chamber **410** may be prohibited when the cover **420** is in the closed position. However, in some embodiments, the cover **420** may define a plurality of apertures **422** that permit an article to be inserted into the storage chamber **410** even when the cover **420** is in the closed position.

The basket **400** may also include one or more magnets **430**. The magnet **430** may be positioned at any suitable location on the basket **400**. As an example, the magnet **430**

may be positioned on one of the sidewalls **406** of the basket **400**. As will be discussed below in more detail, the magnet **430** may exert a magnetic bias on the tub **104** to assist in positioning and mounting of the basket **400** within the wash chamber **106**.

When the basket **400** is positioned within the wash chamber **106**, the magnet **430** may exert a magnetic bias on the tub **104**. In this respect, the basket **400** may be removably mounted to the tub **104** via the magnet **430**. As an example, the magnet **430** may exert a magnetic bias on one of the plurality of sidewalls **164** of the tub **104**. Further, the basket **400** may move towards the sidewall **164** until the magnet **430** contacts the sidewall **164**. When the magnet **430** contacts the sidewall **164**, it should be appreciated that the magnet **430** is positioned between the sidewalls **164**, **406** of the tub **104** and basket **400**, respectively. Further, the magnet **430** may restrain movement of the basket **400** throughout operation of the dishwasher appliance **100** (FIG. **1**). This advantageously allows the basket **400** to be positioned outside of the upper and lower rack assemblies **120**, **122**.

Referring now to FIG. **10**, the dishwasher appliance **100** (FIG. **2**) may include a static jet assembly **500**. As shown, the static jet assembly **500** may include a fluid conduit **502** and static body **504** in selective fluid communication with the pump **142** (FIG. **2**). In some embodiments, a basket **600** is positioned and/or mounted proximate to the static jet assembly **500**. As illustrated, the basket **600** extends between a front **602** and a rear **604** along the lateral direction L. The basket **600** also extends between a top **606** and a bottom **608** along the vertical direction V. The basket **600** further extends between a first side **610** and a second side **612** along the transverse direction T. Apertures **614** may be defined between one or all of the areas between the front **602** and back **604**, the top **606** and bottom **608**, or the first and second sides **610**, **612**. Optionally, the basket **600** may include a handle **620** extending, e.g., in the vertical direction V, from the top **606** for convenient removal from and/or insertion into a rack assembly.

The static jet assembly **500** includes a static body **504** defining an interior passage **506** to direct wash fluid from the fluid conduit **502**. The static body **504** may include an upper face **510** that defines a plurality of jet apertures **512**. Optionally, the static body **504** may extend about one or more exterior holes **508**. The jet apertures **512** may be in fluid communication between the interior passage **506** and the wash chamber **106** (FIG. **2**). During use, wash fluid may thus be directed into the wash chamber **106** from the jet apertures **512**, e.g., after passing into the interior passage **506** from the fluid conduit **502**.

In some embodiments, at least a portion of the static jet assembly **500**, e.g., the static body **504** is mounted to a rack assembly **700**. It should be noted that the rack assembly **700** may be embodied as a lower rack assembly **122** or an upper rack assembly **120**, as illustrated in FIG. **2**. In turn, in some embodiments wherein the rack assembly **700** is a lower rack assembly **122**, the upper rack assembly **120** will be disposed above the rack assembly **700** along the vertical direction V.

The rack assembly **700** may generally include a bottom wall **702** and a plurality of side walls **704** defining a wash compartment **710** for receiving articles to be washed. Each wall **702**, **704** may be formed from a lattice structure, as described above. Optionally, the wash compartment **710** may receive the basket **600** therein. Additionally or alternatively, the wash compartment **710** may receive the static body **504**. For instance, the static body **504** may be mounted to one or more of the walls **702**, **704** within the wash compartment **710** such that the jet apertures **512** are directed, e.g., in the vertical direction V, into a portion of the wash compartment **710**.

In some embodiments, the jet apertures **512** may be directed to spray wash fluid into a storage chamber defined by the basket **600** that is positioned on the upper face of the static body **504**. This may advantageously provide more efficient cleaning of silverware and/or other items positioned within the storage chamber of the basket **600**. However, the pressure of the wash fluid exiting the jet apertures **512** may cause the basket **600** to become dislodged from the static body **504** during operation of the dishwasher appliance **100**. As will be discussed below in more detail, the basket **600** may be mounted to the static body **504** via one or more magnets to ensure the basket **600** remains positioned on the static body **504** throughout the operation of the dishwasher appliance **100**.

Referring now to FIG. **11**, the basket **600** may include one or more magnet(s) **660**. In particular, the basket **600** may include a pair of magnets **660** spaced apart from one another along the transverse direction T. The pair of magnet **660** may be positioned at any suitable location on the basket **600**. As an example, the pair of magnets **660** may be positioned on the rear **604** of the basket **600**. As will be discussed below in more detail, the magnets **660** may exert a magnetic bias on the rack assembly **700** to assist in positioning the basket **600** on the static body **504**.

As the basket **600** is lowered into the wash compartment **710**, the magnets **660** may exert a magnetic bias on the rack assembly **700**. In this respect, the basket **600** may be removably mounted to the rack assembly **700** via the magnets **660**. As an example, the magnets **660** may exert a magnetic bias on one of the side walls **704** of the rack assembly **700**. Accordingly, the basket **600** may move towards the sidewall **704** until the magnets **660** contact the sidewall **704**. Once the magnets **660** contact the sidewall **704**, it should be appreciated that the bottom **608** of the basket **600** may be spaced apart from the static body **504** along the vertical direction V. However, since the magnets **660** continue to exert the magnetic bias on the side wall **704**, the basket **600** may remain mounted to the rack assembly **700** as it moves along the vertical direction V towards the upper face **510** of the static body **504**. Further, the magnets **660** may restrain movement of the basket **600** throughout operation of the dishwasher appliance **100** (FIG. **1**). This advantageously allows the basket **600** to remain positioned on the static body **504** during operation of the static jet assembly **500**.

Referring now to FIG. **12**, a magnet **662** may additionally or alternatively be positioned on the bottom **608** of the basket **600**. Further, the static body **504** may include one or more magnets **560**. More specifically, the magnet **560** may be positioned on the upper face **510** of the static body **504**. As will be discussed below in more detail, the magnets **560**, **662** may contact one another to restrain or limit movement of the basket **600**.

As the basket **600** is lowered into the wash compartment **710**, the magnet **560** on the static body **504** may exert a magnetic bias on the magnet **662** positioned on the bottom **608** of the basket **600**. In this respect, the basket **600** may be removably mounted to the static body **504** via the magnets **560**, **662**. As the magnetic bias exerted on the magnet **662** increases, the basket **600** moves closer towards the static body **504** along the vertical direction V. In particular, the basket **600** moves along the vertical direction V until the magnet **662** on the bottom **608** of the basket **600** contacts the magnet **560** on the upper surface **510** of the static body **504**.

Once the magnets **560**, **662** contact one another, the basket **600** is mounted to the upper surface **510** of the static body **560**. The magnets **560**, **662** remain in contact with one another to restrain movement of the basket **600** during operation of the static jet assembly **500**. This advantageously allows the basket **600** to remain positioned on the static body **504** despite the high pressure of the wash fluid exiting the jet apertures **512**.

This written description uses examples to disclose the invention, including the best mode, and also to enable any person skilled in the art to practice the invention, including making and using any devices or systems and performing any incorporated methods. The patentable scope of the invention is defined by the claims, and may include other examples that occur to those skilled in the art. Such other examples are intended to be within the scope of the claims if they include structural elements that do not differ from the literal language of the claims, or if they include equivalent structural elements with insubstantial differences from the literal languages of the claims.

What is claimed is:

1. A dishwasher appliance comprising:

a tub defining a lateral direction, a transverse direction, and a vertical direction, the tub further defining a wash chamber;

a rack assembly disposed within the wash chamber, the rack assembly defining a wash compartment; and

a silverware basket disposed within the wash compartment, the silverware basket comprising:

a bottom wall;

a front wall extending from the bottom wall along the vertical direction;

a rear wall spaced apart from the front wall along the lateral direction, the rear wall extending from the bottom wall along the vertical direction;

a first sidewall extending from the bottom wall along the vertical direction, the first sidewall further extending between the front wall and the rear wall along the lateral direction;

a second sidewall extending from the bottom wall along the vertical direction and spaced apart from the first sidewall along the transverse direction, the second sidewall extending between the front wall and the rear wall along the lateral direction; and

a magnet disposed on the rear wall of the silverware basket such that the magnet is positioned between the bottom wall of the silverware basket and a bottom of the rack assembly,

wherein the silverware basket is removably mounted to the rack assembly via the magnet.

2. The dishwasher appliance of claim **1**, wherein the magnet comprises a first magnet and a second magnet spaced apart from the first magnet along the transverse direction.

3. The dishwasher appliance of claim **1**, wherein:

the rack assembly extends along the transverse direction between a front of the rack assembly and a rear of the rack assembly, along the lateral direction between a first side of the rack assembly and a second side of the rack assembly; and

wherein the silverware basket is removably mounted to the first side of the rack assembly via the magnet.

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